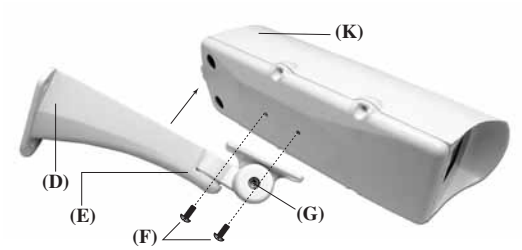
# User's Manual

## Ⅰ. Introduction

**The** Camera Housing is constructed from die-cast aluminium and is powder coated and stove finished.The design and manufacture is to the highest technical standard with environmental protection to level IP 66. The Housing is supplied complete with an adjustable Semi-Cable-Managed Mounting Bracket.

## Ⅱ. Mounting configuration




1. Use the rear section of the Mounting Bracket (D) as a template for marking the position on the wall of the Mounting Holes (H). Remove & drill to pattern required.
2. Attach the Mounting Bracket arm to the wall using the rawlplugs and screws provided.
3. Attach the main Housing enclosure (K) to the Mounting Bracket with 2 of 1/4" x 14.7 mm Trilobular screws (F) provided.
4. Release Screw (E) on the Mounting Bracket to pan the Housing and release screw (G) to tilt the Housing. Position the Housing as required for the correct Camera coverage then tighten both Screws to secure.
5. Feed cables through the hole of Cover Plate (B) on the Mounting Bracket from the wall or by using cable conduits as required.

**Fig.1**

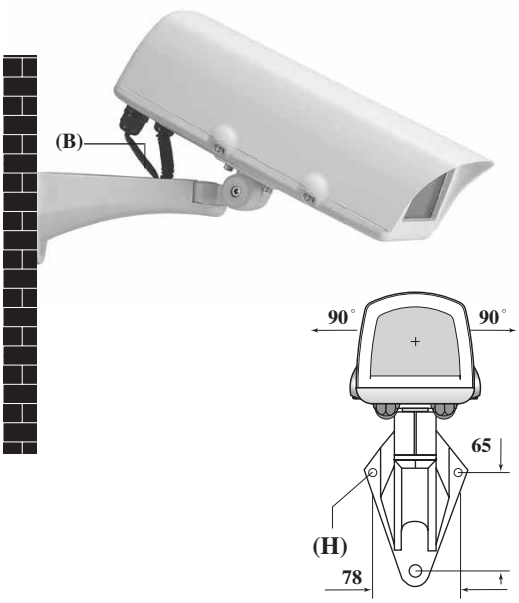
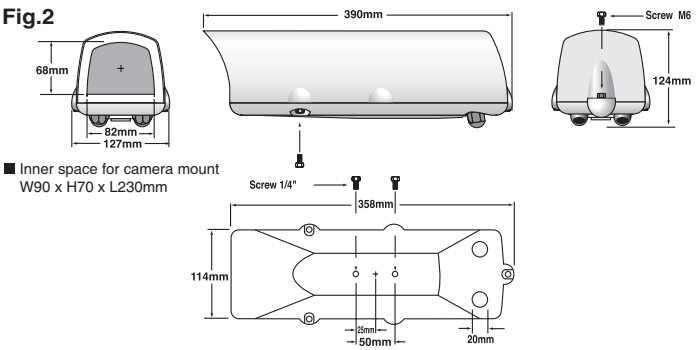
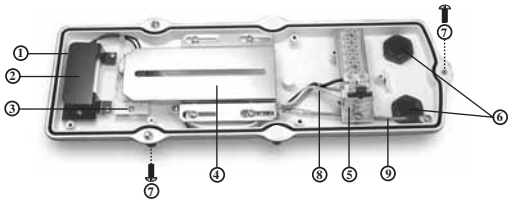



**Fig.2**



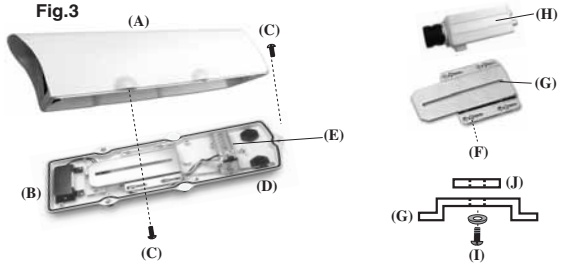

■ Inner space for camera mount
W90 x H70 x L230mm

## Ⅲ. Fitting instructions for camera




① Heater (12VDC,24/110/230 VAC)
② Heat shield
③ Thermal control board
④ Camera mounting platform
⑤ Terminal block assembly
⑥ Cable conduits PGB13.5 x 2
⑦ Captive retainning 1/4" Screws x 3
⑧ Heater wires, Ground wire
⑨ Ground wire

**Fig.3**




1. Unscrew the 3 captive Retaining Screws (C) and remove the Housing Cover (A) from the Housing Base (B).
2. Release the 4 Keyhole Screws (F) and then slide and withdraw the Camera Platform (G) from the Housing Base (B).
3. Mount the Camera (H) onto Platform (G) using the 1/4" UNC Screw ( I ) Supplied, ensuring that the Insulation Pad (J) is mounted between the Platform and the Camera. Always check that the Camera is firmly attached to the Platform.
4. Connect the Camera / Heater power cable to the rear Terminal Block (E) through the first Cable Conduit (D) referring to the circuit diagram shown in section IV. for the terminal designations.
5. Connect the video cable to the Camera through the second Cable Conduit(D).

***IMPORTANT NOTE:***

*ALWAYS UNPLUG THE TOP SECTION OF THE EARTH WIRE FROM THE BASE WIRE WHEN DISASSEMBLING THE HOUSING. REMEMBER TO PLUG THE TOP AND BOTTOM TOGETHER AGAIN WHEN REASSEMBLING THE HOUSING.*

## Ⅳ. Wiring diagram

Fig.4 shows the internal wiring diagram for the window demister.
A spare 6 way terminal block is provided at the rear of the enclosure for the camera when necessary and lens connections. Circuit identified as follows:

| | | | |
|---|---|---|---|
| TB.1 | 6 way terminal block | H.1 | Heater, 12 VDC ☐ |
| TB.2 | 3 way terminal block | | Heater, 24 VAC ☐ |
| FTB.1 | Fused terminal block | | Heater, 110 VAC ☐ |
| FS.1 | 3 Amp. Fuse | | Heater, 230 VAC ■ |
| STAT.1 | 28℃ Thermostat | P.C.B.1 | Thermal control circuit board |

**Fig.4 Wiring diagram**